In the Claims

1. (PREVIOUSLY PRESENTED) A method of object recognition using a classifier on a bit-mapped image, comprising:

identifying objects to be recognized on the bit-mapped image;

preliminarily assigning at least one graphical structure comprising more than one primary graphical unit to be used as a standard element constituent of each object to be recognized;

preliminarily describing each object to be recognized as a set of said standard elements of at least one type along with spatially parametrical correlations thereof;

performing the following steps:

search and identification of at least one standard element on the bit-mapped image,

selection of at least one standard element image for testing as belonging to the object to be recognized; and

setting up and testing a hypothesis about the object to be recognized on the basis of an image formed by aggregating each selected standard element image taking into account spatially parametrical correlations thereof.

2. (CANCELED)

3. (PREVIOUSLY PRESENTED) The method as recited in 1, wherein at least one standard element composing the recognized object is specified with alternative variants.

4. (PREVIOUSLY PRESENTED) The method as recited in 1, wherein the set of standard elements composing the recognized object is specified with alternative variants.

5. (PREVIOUSLY PRESENTED) The method as recited in 1, wherein at least one standard element composing the recognized object comprises an interval for at least one spatially parametrical correlation value.

6.   (CURRENTLY AMENDED) The method as recited in 1, wherein the image at least partly contains standard elements connected by relations of mathematical logic.

7.   (CURRENTLY AMENDED) The method as recited in 1, wherein ~~the step of recognized image identification as a standard elements aggregate~~ aggregating each selected standard element image additionally comprises analysis of standard elements connected by a relation of "AND" type, analysis of standard elements connected by a relation of "OR" type, and analysis of standard elements connected by a relation of "NOT" type.

8.   (CURRENTLY AMENDED) The method as recited in 1, wherein said standard element[[s]] correlations in the recognized object are expressed in the form of more than single-level structure.

9.   (PREVIOUSLY PRESENTED) The method as recited in 1, wherein said standard elements at least partly contain portions of white color.

10.   (PREVIOUSLY PRESENTED) The method as recited in 1, wherein said standard elements at least partly contain transparent portions.

11.   (CURRENTLY AMENDED) The method as recited in 1, wherein in the case of an ambiguous result of hypotheses testing setting up and testing a supplementary information ~~is used~~.

12.   (CURRENTLY AMENDED) The method as recited in 1, wherein in the case of an ambiguous result of hypotheses testing setting up and testing supplementary recognition methods ~~are used~~.

13.   (PREVIOUSLY PRESENTED) The method as recited in 1, wherein the said standard element is composed of more prime standard elements of at least one type.

14.   (CURRENTLY AMENDED) The method as recited in 1, wherein the description of an object to be recognized is specified as a set of standard elements and spatially parametrical correlation thereof <u>and</u> is placed into [[the]] <u>a</u> special means for storage and search.

15.   (PREVIOUSLY PRESENTED) The method of 1, wherein the object to be recognized is a graphical object.

16.   (PREVIOUSLY PRESENTED) The method of 1, wherein the object to be recognized is a character.

17.   (PREVIOUSLY PRESENTED) The method of 1, wherein said selection is of a group of standard elements.